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| U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | Docket No.: 153501-0091 | Application No.: 09/689,577 |
| FORM PTO-1449 | | Applicant: Edward Edelman | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | (Use several sheets if necessary) | |
| | | Filing Date: October 12, 2000 | Group: 2834 |

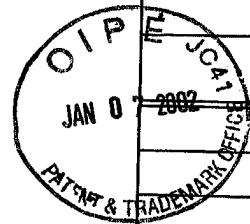
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| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLAS S | FILING DATE IF APPROPRIATE |
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| U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | | | Docket No.: 153501-0091 | Application No.: 09/689,577 |
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| (Use several sheets if necessary) | | | | | |
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| U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | | | Docket No.: | Application No.: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM PTO-1449 | | | | 153501-0091 | 09/689,577 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Applicant: Edward Edelman | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (Use several sheets if necessary) | | | | Filing Date: October 12, 2000 | Group: 2834 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>4,062,185</td><td>12/13/77</td><td>Snow</td><td>60</td><td>204</td><td colspan="2"></td></tr> <tr><td>4,062,186</td><td>12/13/77</td><td>Snow et al</td><td>60</td><td>226R</td><td colspan="2"></td></tr> <tr><td>4,069,424</td><td>01/17/78</td><td>Burkett</td><td>307</td><td>87</td><td colspan="2"></td></tr> <tr><td>4,071,897</td><td>01/19/78</td><td>Groves, Jr. et al</td><td>364</td><td>494</td><td colspan="2"></td></tr> <tr><td>4,087,711</td><td>05/02/78</td><td>Kirtley, Jr. et al</td><td>310</td><td>184</td><td colspan="2"></td></tr> <tr><td>4,114,048</td><td>09/12/78</td><td>Hull et al</td><td>307</td><td>53</td><td colspan="2"></td></tr> <tr><td>4,118,926</td><td>10/10/78</td><td>Curvino et al.</td><td>60</td><td>39.06</td><td colspan="2"></td></tr> <tr><td>4,144,482</td><td>3/13/79</td><td>Schwab</td><td>318</td><td>381</td><td colspan="2"></td></tr> <tr><td>4,149,233</td><td>04/10/79</td><td>Nagano</td><td>363</td><td>71</td><td colspan="2"></td></tr> <tr><td>4,164,661</td><td>08/14/79</td><td>Hucker et al</td><td>307</td><td>57</td><td colspan="2"></td></tr> <tr><td>4,195,231</td><td>03/25/80</td><td>Reed et al</td><td>290</td><td>40R</td><td colspan="2"></td></tr> <tr><td>4,245,163</td><td>01/13/81</td><td>Philippe</td><td>290</td><td>52</td><td colspan="2"></td></tr> <tr><td>4,262,209</td><td>04/14/81</td><td>Berner</td><td>290</td><td>7</td><td colspan="2"></td></tr> <tr><td>4,270,165</td><td>05/26/81</td><td>Carpenter et al</td><td>363</td><td>65</td><td colspan="2"></td></tr> <tr><td>4,276,590</td><td>06/30/81</td><td>Hansel et al</td><td>363</td><td>71</td><td colspan="2"></td></tr> <tr><td>4,305,129</td><td>12/08/81</td><td>Yannone et al</td><td>364</td><td>492</td><td colspan="2"></td></tr> <tr><td>4,340,820</td><td>07/1982</td><td>Meyer-Pitroff et al</td><td>290</td><td>40R</td><td colspan="2"></td></tr> <tr><td>4,346,304</td><td>08/24/82</td><td>Tsunoda et al</td><td>290</td><td>52</td><td colspan="2"></td></tr> <tr><td>4,349,744</td><td>09/14/82</td><td>Reuther et al</td><td>290</td><td>40</td><td colspan="2"></td></tr> <tr><td>4,361,791</td><td>11/1982</td><td>Plunkett</td><td>318</td><td>723</td><td colspan="2"></td></tr> <tr><td>4,413,676</td><td>11/1983</td><td>Kervin</td><td>166</td><td>53</td><td colspan="2"></td></tr> <tr><td>4,414,804</td><td>11/15/83</td><td>Menard et al.</td><td>60</td><td>39.141</td><td colspan="2"></td></tr> <tr><td>4,425,613</td><td>01/10/84</td><td>Shelly</td><td>363</td><td>26</td><td colspan="2"></td></tr> <tr><td>4,447,787</td><td>05/08/84</td><td>Schweig et al</td><td>318</td><td>803</td><td colspan="2"></td></tr> <tr><td>4,450,363</td><td>02/19/73</td><td>Russell et al</td><td>290</td><td>40C</td><td colspan="2"></td></tr> <tr><td>4,460,834</td><td>07/17/84</td><td>Gottfried</td><td>307</td><td>64</td><td colspan="2"></td></tr> <tr><td>4,467,216</td><td>08/21/84</td><td>Murphy</td><td>290</td><td>43</td><td colspan="2"></td></tr> <tr><td>4,469,954</td><td>09/04/84</td><td>Maehara</td><td>290</td><td>1A</td><td colspan="2"></td></tr> <tr><td>4,508,487</td><td>4/1985</td><td>Taylor et al</td><td>417</td><td>12</td><td colspan="2"></td></tr> <tr><td>4,532,761</td><td>08/06/85</td><td></td><td>60</td><td>39.13</td><td colspan="2"></td></tr> <tr><td>4,590,416</td><td>05/20/86</td><td>Porsche et al</td><td>323</td><td>205</td><td colspan="2"></td></tr> <tr><td>4,597,037</td><td>06/24/86</td><td>Okado</td><td>363</td><td>41</td><td colspan="2"></td></tr> <tr><td>4,597,259</td><td>07/01/86</td><td>Moore et al</td><td>60</td><td>39.091</td><td colspan="2"></td></tr> </table> | | | | | | | 4,062,185 | 12/13/77 | Snow | 60 | 204 | | | 4,062,186 | 12/13/77 | Snow et al | 60 | 226R | | | 4,069,424 | 01/17/78 | Burkett | 307 | 87 | | | 4,071,897 | 01/19/78 | Groves, Jr. et al | 364 | 494 | | | 4,087,711 | 05/02/78 | Kirtley, Jr. et al | 310 | 184 | | | 4,114,048 | 09/12/78 | Hull et al | 307 | 53 | | | 4,118,926 | 10/10/78 | Curvino et al. | 60 | 39.06 | | | 4,144,482 | 3/13/79 | Schwab | 318 | 381 | | | 4,149,233 | 04/10/79 | Nagano | 363 | 71 | | | 4,164,661 | 08/14/79 | Hucker et al | 307 | 57 | | | 4,195,231 | 03/25/80 | Reed et al | 290 | 40R | | | 4,245,163 | 01/13/81 | Philippe | 290 | 52 | | | 4,262,209 | 04/14/81 | Berner | 290 | 7 | | | 4,270,165 | 05/26/81 | Carpenter et al | 363 | 65 | | | 4,276,590 | 06/30/81 | Hansel et al | 363 | 71 | | | 4,305,129 | 12/08/81 | Yannone et al | 364 | 492 | | | 4,340,820 | 07/1982 | Meyer-Pitroff et al | 290 | 40R | | | 4,346,304 | 08/24/82 | Tsunoda et al | 290 | 52 | | | 4,349,744 | 09/14/82 | Reuther et al | 290 | 40 | | | 4,361,791 | 11/1982 | Plunkett | 318 | 723 | | | 4,413,676 | 11/1983 | Kervin | 166 | 53 | | | 4,414,804 | 11/15/83 | Menard et al. | 60 | 39.141 | | | 4,425,613 | 01/10/84 | Shelly | 363 | 26 | | | 4,447,787 | 05/08/84 | Schweig et al | 318 | 803 | | | 4,450,363 | 02/19/73 | Russell et al | 290 | 40C | | | 4,460,834 | 07/17/84 | Gottfried | 307 | 64 | | | 4,467,216 | 08/21/84 | Murphy | 290 | 43 | | | 4,469,954 | 09/04/84 | Maehara | 290 | 1A | | | 4,508,487 | 4/1985 | Taylor et al | 417 | 12 | | | 4,532,761 | 08/06/85 | | 60 | 39.13 | | | 4,590,416 | 05/20/86 | Porsche et al | 323 | 205 | | | 4,597,037 | 06/24/86 | Okado | 363 | 41 | | | 4,597,259 | 07/01/86 | Moore et al | 60 | 39.091 | | |
| 4,062,185 | 12/13/77 | Snow | 60 | 204 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,062,186 | 12/13/77 | Snow et al | 60 | 226R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,069,424 | 01/17/78 | Burkett | 307 | 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,071,897 | 01/19/78 | Groves, Jr. et al | 364 | 494 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,087,711 | 05/02/78 | Kirtley, Jr. et al | 310 | 184 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,114,048 | 09/12/78 | Hull et al | 307 | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,118,926 | 10/10/78 | Curvino et al. | 60 | 39.06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,144,482 | 3/13/79 | Schwab | 318 | 381 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,149,233 | 04/10/79 | Nagano | 363 | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,164,661 | 08/14/79 | Hucker et al | 307 | 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,195,231 | 03/25/80 | Reed et al | 290 | 40R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,245,163 | 01/13/81 | Philippe | 290 | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,262,209 | 04/14/81 | Berner | 290 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,270,165 | 05/26/81 | Carpenter et al | 363 | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,276,590 | 06/30/81 | Hansel et al | 363 | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,305,129 | 12/08/81 | Yannone et al | 364 | 492 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,340,820 | 07/1982 | Meyer-Pitroff et al | 290 | 40R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,346,304 | 08/24/82 | Tsunoda et al | 290 | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,349,744 | 09/14/82 | Reuther et al | 290 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,361,791 | 11/1982 | Plunkett | 318 | 723 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,413,676 | 11/1983 | Kervin | 166 | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,414,804 | 11/15/83 | Menard et al. | 60 | 39.141 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,425,613 | 01/10/84 | Shelly | 363 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,447,787 | 05/08/84 | Schweig et al | 318 | 803 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,450,363 | 02/19/73 | Russell et al | 290 | 40C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,460,834 | 07/17/84 | Gottfried | 307 | 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,467,216 | 08/21/84 | Murphy | 290 | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,469,954 | 09/04/84 | Maehara | 290 | 1A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,508,487 | 4/1985 | Taylor et al | 417 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,532,761 | 08/06/85 | | 60 | 39.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,590,416 | 05/20/86 | Porsche et al | 323 | 205 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,597,037 | 06/24/86 | Okado | 363 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,597,259 | 07/01/86 | Moore et al | 60 | 39.091 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Docket No.: 153501-0091 | | Application No.: 09/689,577 | |
|--|----------|----------------|--|-------------------------------|--------|-----------------------------|--|
| (Use several sheets if necessary) | | | | Filing Date: October 12, 2000 | | Applicant: Edward Edelman | |
| | | | | | | Group: 2834 | |
| 5,302,906 | 04/12/94 | Leerch | | 324 | 650 | | |
| 5,321,308 | 06/14/94 | Johncock | | 290 | 40C | | |
| 5,327,718 | 07/19/94 | Iwata et al | | 60 | 39.03 | | |
| 5,336,991 | 08/09/94 | Atherton et al | | 324 | 142 | | |
| 5,390,068 | 02/14/95 | Schultz et al | | 361 | 95 | | |
| 5,408,821 | 04/25/95 | Romero | | 60 | 390.02 | | |
| 5,420,782 | 05/30/95 | Luce et al | | 363 | 109 | | |
| 5,427,455 | 06/27/95 | Bosley | | 384 | 106 | | |
| 5,436,507 | 07/25/95 | Brown et al | | 290 | 52 | | |
| 5,436,512 | 07/25/95 | Inam et al | | 307 | 58 | | |
| 5,438,694 | 08/01/95 | Muri et al | | 455 | 341 | | |
| 5,440,221 | 08/08/95 | Landau | | 320 | 22 | | |
| 5,442,907 | 08/22/95 | Asquith et al | | 60 | 39.06 | | |
| 5,450,306 | 09/12/95 | Garees et al | | 363 | 41 | | |
| 5,452,574 | 09/26/95 | Cowell et al | | 60 | 39.23 | | |
| 5,483,147 | 01/09/96 | Ilic et al | | 322 | 25 | | |
| 5,497,615 | 03/12/96 | Noe et al | | 60 | 39.511 | | |
| 5,523,937 | 06/19/96 | Kahkipuro | | 363 | 371 | | |
| 5,529,398 | 06/15/96 | Bosley | | 384 | 105 | | |
| 5,550,450 | 08/27/96 | Palko et al | | 318 | 800 | | |
| 5,572,097 | 11/19/96 | Cameron | | 318 | 254 | | |
| 5,592,067 | 01/07/97 | Peter | | 320 | 15 | | |
| 5,594,320 | 01/14/97 | Pacholok | | 320 | 4 | | |
| 5,596,492 | 01/21/97 | Divan et al | | 363 | 95 | | |
| 5,610,500 | 03/11/97 | Giberson | | 322 | 100 | | |
| 5,610,501 | 03/11/97 | Nelson et al | | 323 | 207 | | |
| 5,610,500 | 03/11/97 | Giberson | | 322 | 100 | | |
| 5,610,834 | 03/11/97 | Schleuter | | 364 | 492 | | |
| 5,632,143 | 2/2000 | Fisher | | 60 | 39.182 | | |
| 5,635,768 | 06/03/97 | Birch | | 290 | 40C | | |
| 5,635,773 | 06/03/97 | Stuart | | 307 | 66 | | |
| 5,642,007 | 06/24/97 | Gyugyi et al | | 307 | 102 | | |
| 5,644,209 | 07/01/97 | Chabbert | | 320 | 15 | | |



| U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | | | Docket No.: 153501-0091 | Application No.: 09/689,577 | |
|--|----------|----------------------|--|---|---------------------------------------|--|
| FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Applicant: Edward Edelman | | |
| (Use several sheets if necessary) | | | | Filing Date: October 12, 2000 | Group: 2834 | |
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| 5,735,116 | 04/07/98 | Mfouton | | 60 | 39.091 | |
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| 5,757,634 | 05/26/98 | Ferens | | 363 | 72 | |
| 5,764,024 | 06/09/98 | Wilson | | 318 | 805 | |
| 5,767,660 | 06/16/98 | Schmidt | | 320 | 140 | |
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| 5,860,279 | 1/1999 | Bronicki et al | | 60 | 655 | |
| 5,867,380 | 02/02/99 | Lee | | 363 | 98 | |
| 5,872,710 | 02/16/99 | Kameyama | | 363 | 95 | |
| 5,896,736 | 04/1999 | Rajamani | | 60 | 39.03 | |
| 5,899,673 | 05/04/99 | Bosley | | 417 | 423.14 | |
| 5,903,116 | 05/11/99 | Geis | | 318 | 140 | |
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| 5,982,143 | 11/09/99 | Stuart | | 320 | 119 | |
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| 6,055,163 | 04/25/00 | Wagner et al | | 363 | 37 | |

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|--|---|-----------|-----------------------------|---|---------------------------------------|---|-----------|--------|-----------|-----|----|--|--|-----------|---------|----------------|--|--|--|--|-----------|---------|---------|-----|----|--|--|-----------|-----------|-----------------|-----|----|--|--|-----------|-----------|-----------------|-----|----|--|
| U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | | | Docket No.: 153501-0091 | Application No.: 09/689,577 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM PTO-1449 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Applicant: Edward Edelman | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (Use several sheets if necessary) | | | | Filing Date: October 12, 2000 | Group: 2834 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">JAN 07 2002 PATENT & TRADEMARK OFFICE</td> <td style="width: 15%; text-align: center;">6,093,975</td> <td style="width: 15%; text-align: center;">7/2000</td> <td style="width: 30%; text-align: center;">Peticolas</td> <td style="width: 10%; text-align: center;">290</td> <td style="width: 10%; text-align: center;">52</td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td>6,104,153</td> <td>08/2000</td> <td>Codilian et al</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>6,169,334</td> <td>01/2001</td> <td>Edelman</td> <td>290</td> <td>52</td> <td></td> </tr> <tr> <td></td> <td>6,274,945</td> <td>8/14/2001</td> <td>Gilbreth et al.</td> <td>290</td> <td>52</td> <td></td> </tr> <tr> <td></td> <td>6,281,601</td> <td>8/28/2001</td> <td>Edelman, et al.</td> <td>307</td> <td>29</td> <td></td> </tr> </table> | | | | | | JAN 07 2002 PATENT & TRADEMARK OFFICE | 6,093,975 | 7/2000 | Peticolas | 290 | 52 | | | 6,104,153 | 08/2000 | Codilian et al | | | | | 6,169,334 | 01/2001 | Edelman | 290 | 52 | | | 6,274,945 | 8/14/2001 | Gilbreth et al. | 290 | 52 | | | 6,281,601 | 8/28/2001 | Edelman, et al. | 307 | 29 | |
| JAN 07 2002 PATENT & TRADEMARK OFFICE | 6,093,975 | 7/2000 | Peticolas | 290 | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6,104,153 | 08/2000 | Codilian et al | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6,169,334 | 01/2001 | Edelman | 290 | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6,274,945 | 8/14/2001 | Gilbreth et al. | 290 | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| EXAMINER J. J. Gantefor | | | DATE CONSIDERED 02/08/02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |